

SEQUENCE LISTING

<110> GEMMA BIOTECHNOLOGY LTD.; JULIUS, Michael H.; FILIPP, Dominik

<120> THE INDUCTION OF ANTIBIOTIC PROTEINS AND PEPTIDES BY LAIT/sCD14-PROTEIN

<130> 47841/00048

<140> PCT/CA99/00482

<141> 1999-05-27

<150> US 60/086,884

<151> 1998-05-27

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<170> Wordperfect 6.1

<210> 1

<211> 1122

<212> DNA

<213> bovine

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 AGCCTGGAAT ACCTTCTAAA GCGTGTGGAC ACGGAAGCAG ATCTGGGGCA GTTCACTGAT 240
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 ATTCTATTCG GAGCCCTGCG TGTGCTCGGG ATTTCCGGCC TCCAGGAACT GACTCTTGAA 360

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 TTTTCCTGCG AACAGGTCCG CGTCTTCCCT GCCCTCTCCA CCTTAGACCT GTCTGACAAT 600
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 CAAGTTTTAG CGCTGCGTAA CGCGGGGATG GAGACGCCCA GCGGCGTGTG CTCTGCGCTG 720
 GCCGCAGCAA GGGTACAGCT GCAAGGACTA GACCTTAGTC ACAATTCACT GCGGGATGCT 780
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 AAAGGAAATC CCTTTTGGGA CTCTGAATCC CACTCGGAGA AGTTTAACTC TGGCGTAGTC 1020
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 Phe Arg Cys Val Cys Asn Phe Thr Asp Pro Lys Pro Asp Trp Ser Ser
 35 40 45
 Ala Val Gln Cys Met Val Ala Val Glu Val Glu Ile Ser Ala Gly Gly
 50 55 60
 Arg Ser Leu Glu Gln Phe Leu Lys Gly Ala Asp Thr Asn Pro Lys Gln
 65 70 75 80
 Tyr Ala Asp Thr Ile Lys Ala Leu Arg Val Arg Arg Leu Lys Leu Gly
 85 90 95
 Ala Ala Gln Val Pro Ala Gln Leu Leu Val Ala Val Leu Arg Ala Leu
 100 105 110
 Gly Tyr Ser Arg Leu Lys Glu Leu Thr Leu Glu Asp Leu Glu Val Thr
 115 120 125
 Gly Pro Thr Pro Pro Thr Pro Leu Glu Ala Ala Gly Pro Ala Leu Thr
 130 135 140
 Thr Leu Ser Leu Arg Asn Val Ser Trp Thr Thr Gly Gly Ala Trp Leu
 145 150 155 160

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Gly Glu Leu Gln Gln Trp Leu Lys Pro Gly Leu Arg Val Leu Asn Ile
 165 170 175
 Ala Gln Ala His Ser Leu Ala Phe Pro Cys Ala Gly Leu Ser Thr Phe
 180 185 190
 Glu Ala Leu Thr Thr Leu Asp Leu Ser Asp Asn Pro Ser Leu Gly Asp
 195 200 205
 Thr Gly Leu Met Ala Ala Leu Cys Pro Asn Lys Phe Pro Ala Leu Gln
 210 215 220
 Tyr Leu Ala Leu Arg Asn Ala Gly Met Glu Thr Pro Ser Gly Val Cys
 225 230 235 240
 Ala Ala Leu Ala Ala Ala Arg Val Gln Pro Gln Ser Leu Asp Leu Ser
 245 250 255
 His Asn Ser Leu Arg Val Thr Ala Pro Gly Ala Thr Arg Cys Val Trp
 260 265 270
 Pro Ser Ala Leu Arg Ser Leu Asn Leu Ser Phe Ala Gly Leu Glu Gln
 275 280 285
 Val Pro Lys Gly Leu Pro Pro Lys Leu Ser Val Leu Asp Leu Ser Cys
 290 295 300
 Asn Lys Leu Ser Arg Glu Pro Arg Arg Asp Glu Leu Pro Glu Val Asn
 305 310 315 320
 Asp Leu Thr Leu Asp Gly Asn Pro Phe Leu Asp Pro Gly Ala Leu Gln
 325 330 335
 His Gln Asn Asp Pro Met Ile Ser Gly Val Val Pro Ala Cys Ala Arg
 340 345 350
 Ser Ala Leu Thr Met Gly Val Ser Gly Ala Leu Ala Leu Leu Gln Gly
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 Ala Arg Gly Phe Ala
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 35 40 45
 Phe Gln Cys Val Ser Ala Val Glu Val Glu Ile His Ala Gly Gly Leu
 50 55 60
 Asn Leu Glu Pro Phe Leu Lys Arg Val Asp Ala Asp Ala Asp Pro Arg
 65 70 75 80

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Gln Tyr Ala Asp Thr Val Lys Ala Leu Arg Val Arg Arg Leu Thr Val
 85 90 95
 Gly Ala Ala Gln Val Pro Ala Gln Leu Leu Val Gly Ala Leu Arg Val
 100 105 110
 Leu Ala Tyr Ser Arg Leu Lys Glu Leu Thr Leu Glu Asp Leu Lys Ile
 115 120 125
 Thr Gly Thr Met Pro Pro Leu Pro Leu Glu Ala Thr Gly Leu Ala Leu
 130 135 140
 Ser Ser Leu Arg Leu Arg Asn Val Ser Trp Ala Thr Gly Arg Ser Trp
 145 150 155 160
 Leu Ala Glu Leu Gln Gln Trp Leu Lys Pro Gly Leu Lys Val Leu Ser
 165 170 175
 Ile Ala Gln Ala His Ser Pro Ala Phe Ser Tyr Glu Gln Val Arg Ala
 180 185 190
 Phe Pro Ala Leu Thr Ser Leu Asp Leu Ser Asp Asn Pro Gly Leu Gly
 195 200 205
 Glu Arg Gly Leu Met Ala Ala Leu Cys Pro His Lys Phe Pro Ala Ile
 210 215 220
 Gln Asn Leu Ala Leu Arg Asn Thr Gly Met Glu Thr Pro Thr Gly Val
 225 230 235 240
 Cys Ala Ala Leu Ala Ala Ala Gly Val Gln Pro His Ser Leu Asp Leu
 245 250 255
 Ser His Asn Ser Leu Arg Ala Thr Val Asn Pro Ser Ala Pro Arg Cys
 260 265 270
 Met Trp Ser Ser Ala Leu Asn Ser Leu Asn Leu Ser Phe Ala Gly Leu
 275 280 285
 Glu Gln Val Pro Lys Gly Leu Pro Ala Lys Leu Arg Val Leu Asp Leu
 290 295 300

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Ser Cys Asn Arg Leu Asn Arg Ala Pro Gln Pro Asp Glu Leu Pro Glu
305 310 315 320

Val Asp Asn Leu Thr Leu Asp Gly Asn Pro Phe Leu Val Pro Gly Thr
325 330 335

Ala Leu Pro His Glu Gly Ser Met Asn Ser Gly Val Val Pro Ala Cys
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Gln Gly Ala Arg Gly Phe Ala
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<213> murine

<400> 6
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Asn Phe Ser Asp Pro Lys Pro Asp Trp Ser Ser Ala Phe Asn Cys Leu
35 40 45

Gly Ala Ala Asp Val Glu Leu Tyr Gly Gly Gly Arg Ser Leu Glu Tyr
50 55 60

Leu Leu Lys Arg Val Asp Thr Glu Ala Asp Leu Gly Gln Phe Thr Asp
65 70 75 80

Ile Ile Lys Ser Leu Ser Leu Lys Arg Leu Thr Val Arg Ala Ala Arg
85 90 95

Ile Pro Ser Arg Ile Leu Phe Gly Ala Leu Arg Val Leu Gly Ile Ser
100 105 110

Gly Leu Gln Glu Leu Thr Leu Glu Asn Leu Glu Val Thr Gly Thr Ala
115 120 125

Pro Pro Pro Leu Leu Glu Ala Thr Gly Pro Asp Leu Asn Ile Leu Asn
130 135 140

Leu Arg Asn Val Ser Trp Ala Thr Arg Asp Ala Trp Leu Ala Glu Leu
145 150 155 160

Gln Gln Trp Leu Lys Pro Gly Leu Lys Val Leu Ser Ile Ala Gln Ala
165 170 175

His Ser Leu Asn Phe Ser Cys Glu Gln Val Arg Val Phe Pro Ala Leu
180 185 190

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Ser Thr Leu Asp Leu Ser Asp Asn Pro Glu Leu Gly Glu Arg Gly Leu
 195 200 205
 Ile Ser Ala Leu Cys Pro Leu Lys Phe Pro Thr Leu Gln Val Leu Ala
 210 215 220
 Leu Arg Asn Ala Gly Met Glu Thr Pro Ser Gly Val Cys Ser Ala Leu
 225 230 235 240
 Ala Ala Ala Arg Val Gln Leu Gln Gly Leu Asp Leu Ser His Asn Ser
 245 250 255
 Leu Arg Asp Ala Ala Gly Ala Pro Ser Cys Asp Trp Pro Ser Gln Leu
 260 265 270
 Asn Ser Leu Asn Leu Ser Phe Thr Gly Leu Lys Gln Val Pro Lys Gly
 275 280 285
 Leu Pro Ala Lys Leu Ser Val Leu Asp Leu Ser Tyr Asn Arg Leu Asp
 290 295 300
 Arg Asn Pro Ser Pro Asp Glu Leu Pro Gln Val Gly Asn Leu Ser Leu
 305 310 315 320
 Lys Gly Asn Pro Phe Leu Asp Ser Glu Ser His Ser Glu Lys Phe Asn
 325 330 335
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 <212> PRT
 <213> rabbit

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 35 40 45
 Ala Leu Gln Cys Met Pro Ala Val Gln Val Glu Met Trp Gly Gly Gly
 50 55 60
 His Ser Leu Glu Gln Phe Leu Arg Gln Ala Asp Leu Tyr Thr Asp Gln
 65 70 75 80
 Arg Arg Tyr Ala Asp Val Val Lys Ala Leu Arg Val Arg Arg Leu Thr
 85 90 95

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Val Gly Ala Val Gln Val Pro Ala Pro Leu Leu Leu Gly Val Leu Arg
 100 105 110

Val Leu Gly Tyr Ser Arg Leu Lys Glu Leu Ala Leu Glu Asp Ile Glu
 115 120 125

Val Thr Gly Thr Ala Pro Pro Pro Pro Pro Leu Glu Ala Thr Gly Pro
 130 135 140

Ala Leu Ser Thr Leu Ser Leu Arg Asn Val Ser Trp Pro Lys Gly Gly
 145 150 155 160

Ala Trp Leu Ser Glu Leu Gln Gln Trp Leu Lys Pro Gly Leu Gln Val
 165 170 175

Leu Asn Ile Ala Gln Ala His Thr Leu Ala Phe Ser Cys Glu Gln Val
 180 185 190

Arg Thr Phe Ser Ala Leu Thr Thr Leu Asp Leu Ser Glu Asn Pro Gly
 195 200 205

Leu Gly Glu Arg Gly Leu Val Ala Ala Leu Cys Pro His Lys Glu Pro
 210 215 220

Ala Leu Gln Asp Leu Ala Leu Arg Asn Ala Gly Met Lys Ile Leu Gln
 225 230 235 240

Gly Val Cys Ala Ala Leu Ala Glu Ala Gly Val Gln Pro His His Leu
 245 250 255

Asp Leu Ser His Asn Ser Leu Arg Xaa Xaa Xaa Ala Xaa Asp Thr Gln
 260 265 270

Arg Cys Ile Trp Pro Ser Ala Leu Asn Ser Leu Asn Leu Ser Phe Thr
 275 280 285

Gly Leu Gln Gln Val Pro Lys Gly Leu Pro Ala Lys Leu Asn Val Leu
 290 295 300

Asp Leu Ser Cys Asn Lys Leu Asn Arg Ala Pro Gln Pro Gly Glu Leu
 305 310 315 320

Pro Lys Val Val Asn Leu Ser Leu Asp Gly Asn Pro Phe Leu Val Pro
 325 330 335

Gly Ala Ser Lys Leu Gln Glu Asp Leu Thr Asn Ser Gly Val Phe Pro
 340 345 350

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Leu Leu Gln Gly Ala Arg Gly Phe Ile
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 <212> DNA
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60

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